INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/18523

A. CL	ASSIFICATION OF SUBJECT MATTER		FC1/US03/1852	3
IPC(7)	: B66B 7/06, 11/08			
US CL	: 187/ 222,227,233 251 254 264 266 276 4	.11		
According to International Patent Classification (IPC) or to both national classification and IPC				
D. FIE	LDS SEARCHED			
Minimum d	ocumentation searched (classification system followe	d by classification symbol		
U.S. :	187/ 251,254, 264, 266, 276, 411	a of classification symbol	is)	
Documentat	ion searched other than minimum documentation as	h		
	ion searched other than minimum documentation to t	ne extent that such docum	ents are included	in the fields searched
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Electronic d	ata base consulted during the international search (na	me of data base and, whe	re practicable, sea	irch terms used)
		•	p	a on terms used)
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where	appropriate, of the releva	Int manages	7.7.
X	US 6,382,360 B2 (KOBAYASHI et al) 07 May 2002 (07.05.2002), see figures 18,26.		Relevant to claim No.	
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Y	110 6 205 400 Pt (YO) TES			
•	US 6,305,499 B1 (JONES et al) 23 October 2001	(23.10.2001), see entire d	ocument.	2-11
Α	US 1.676.449 A (LEDERER) 10 July 1009 (10 07	1000) #		
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Further	documents are listed in the continuation of Box C.	San patent for		
	pecial categories of cited documents:	See patent far		
"A" document defining the general state of the art which is not considered to be				national filing date or priority tion but cited to understand the
of particul	lar relevance	principle or theo	ry underlying the inver	ntion
"E" earlier app	olication or patent published on or after the international filing date	"X" document of par	ticular relevance; the ci	laimed invention cannot be
		COMMETCE HOAC	or cannot be considere ent is taken alone	ed to involve an inventive step
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"O" document	referring to an oral disclosure, use, exhibition or other means	CONTIDUACO MILI O	DE OF MOTE Alber such a	dominante mol 11 .
	published prior to the international filing date but later than the	œm <u>g</u> 00410 <u>03</u> 10	a person skilled in the	arı
priority da	te claimed	"&" document member	er of the same patent fa	mily
Date of the ac	tual completion of the international search	Data of mailing - Cal. 1		
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29 August 2003 (29.08.2003) Name and mailing address of the ISA/US		03 MON 5003		
Mail Stop PCT, Attn: ISA/US		Date of mailing of the international search report 2003 Authorized officer Jonathan Salata Dione Antt		
Com	missioner for Patents	Jonathan Salata	1000	6 -
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